(12) **United States Patent**
Beard

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(54) **FUR, CUTTING**

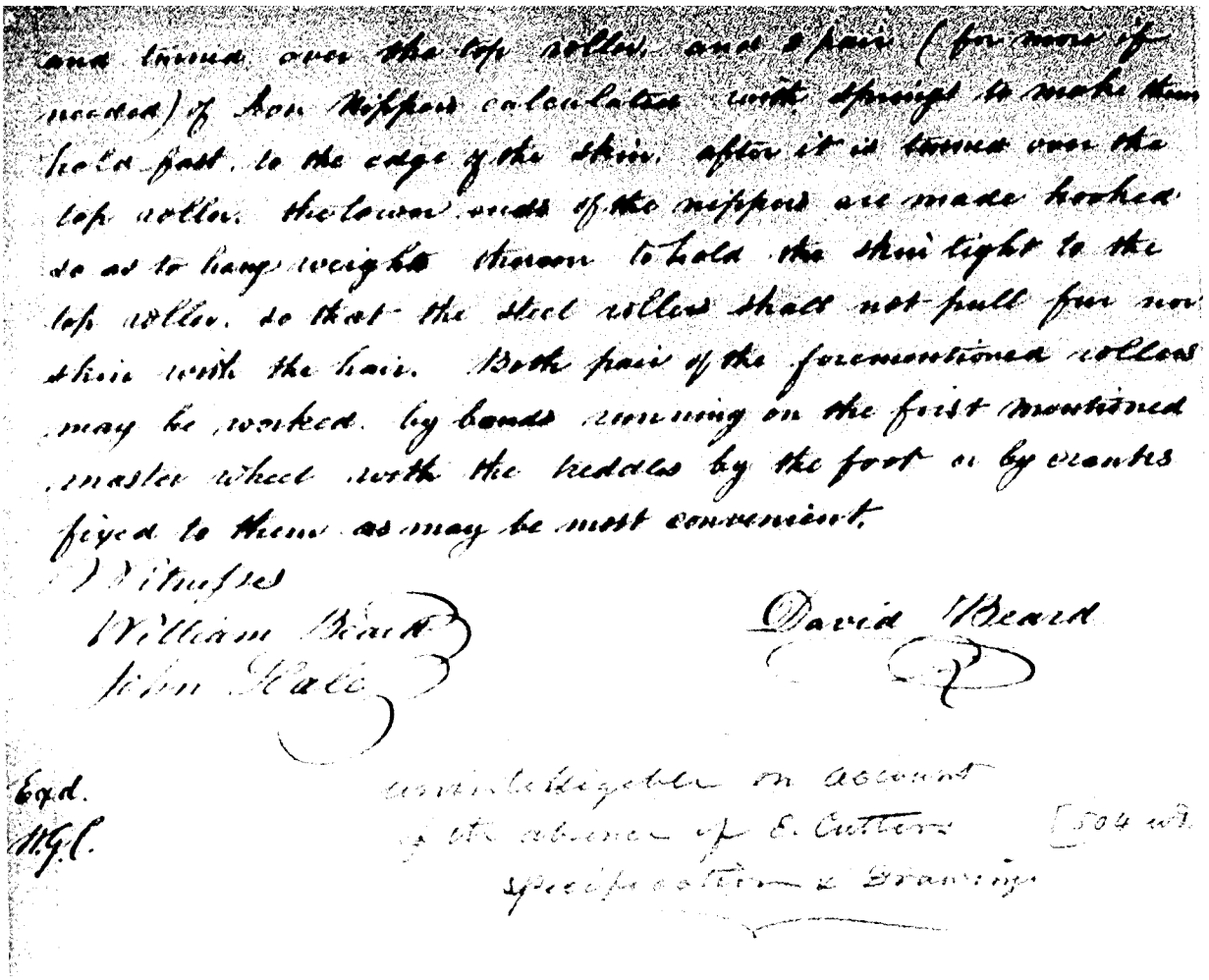
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David Beard
Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said David Beard himself of his improvement in Ephraim Bates Fur Cutting Machine.

— Description of the Improvement —

First the master Wheel 5 the Wheel on the shear shaft 3 the Wheel on the feeding rollers the master wheel is one third larger: the Wheel on the shear shaft 2/3 larger, and the wheel on the feeding rollers 2 inches larger in diameter than the original machine. all so constructed as to work with a treadle by the foot instead of the hand. Also a slider is fixed to move between the feeding rollers and the stock blade with a bigger to the left hand post: to push the skins up, if it should incline down; also moves the top feeding roller in from the centre towards the shear blades as far as it will bear, so as for the shears to miss it: which prevents the skin from raising too high. The improvement on the other end of the Bench is calculated to clean the fur skins of the hair by two sets of rollers. one set of wood & the other of steel. the top steel roller has a number of fine rows cut lengthways in it. both pairs of these rollers run in frames made of Iron. which frames are confined together by screws. the steel rollers are set in sliding posts of Iron to slide within the frames above mentioned and pressed by screws so as to set them nearer or further off from the wood rollers to suit the different lengths of hair. the steel rollers are set behind the wooden rollers and are set higher, so that the contact of the steel rollers shall be longitudinally against the middle of the top wooden roller the skin is put in between the wooden rollers hair foremost and



and thence over the top roller, and a pair (or more if needed) of bar stripers calculated with sprungs to make them take fast to the edge of the skin, after it is thrown over the top roller, the lower ends of the stripers are made hooked so as to hang weights thereon to hold the skin tight to the top roller, so that the steel rollers shall not pull fur nor skin with the hair. Both pair of the forementioned rollers may be worked by bands running on the first mentioned master wheel with the heddles by the foot or by cranks fixed to them as may be most convenient.

Witness
William Beard
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Specification & Drawings